

Curriculum Vitae
Linda R. Coney

MS 221, PO Box 500
Batavia, Illinois 60510-0500
lconey@fnal.gov
Phone: (630) 840-6610, Fax: (630) 840-6311

Education:

2000: **Ph.D., Physics, University of Notre Dame**

Thesis: “Diffractive W and Z Boson Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV.”

1997: **M.A., Physics, University of Notre Dame**

1993: **B.S., Physics and Mathematics (Magna Cum Laude), Hope College**

Academic Positions:

2005-2006: Fermilab Guest Scientist with Columbia University

2001-2005: Postdoctoral Research Associate, Columbia University

2000: Postdoctoral Research Associate, University of Notre Dame

1993-2000: Graduate Student, University of Notre Dame

1995-2000: Research Assistant

1994-1995: Teaching Assistant

1993-1994: Arthur J. Schmitt Presidential Fellow

1991-1993: Teaching Assistant, Hope College

1990-1993: Research Assistant, Atomic Physics Group, Hope College

Awards:

Arthur J. Schmitt Presidential Fellowship, University of Notre Dame, 1993-1994

Douwe B. Yntema Prize in Physics, Hope College, 1993

Senior Sigma Xi Award for Physics, Hope College, 1993

Phi Beta Kappa Honor Society, Hope College, 1993

Experiment Participation:

MiniBooNE (E898), member, 2001-present

HARP (PS214), member, 2001-present

DØ Experiment, member, 1995 - 2004

Professional Committees:

2004-2005: APS Neutrino Study Booklet Committee

2002-2003: Organizing Committee, NuFact03 Workshop

2001: Young Physicist Forum Committee member, Snowmass 2001

2001-present: Young Particle Physicists (YPP) member

1997-1999: Fermilab Users' Executive Committee member

Chair of Quality of Life Subcommittee

Chair of Younger Physicists Issues Subcommittee

Outreach and Education Subcommittee member

Conference and Workshop participation:

- 2005: Workshop on the Future of Nuclear Physics at LANSCE, Los Alamos
- 2004: Neutrino 2004
- 2003: Neutrino Factory Workshop 2003: NuFACT 2003
- 2002: US Particle Accelerator School (USPAS) Winter 2002, Summer 2001

Conference Presentations and Seminars

- Meeting of the Division of Particles and Fields (DPF2004), Riverside, CA, August 2004: *HARP for MiniBooNE*
- Rutherford Appleton Laboratory, Particle Physics Seminar, Didcot, England, June 2004: *Status Report on the MiniBooNE Experiment*
- Particle Accelerator Conference (PAC2003), Portland, OR, May 2003: *Fermilab Booster Orbit Correction*
- National Science Foundation, Accelerator Physics at Universities, Washington D.C., April 2003: *Columbia University Accelerator Physics*
- 4th International Workshop on Neutrino Factories based on Muon Storage Rings (NuFACT02), Imperial College, London, England, July 2002: *MiniBooNE Beam Systematics*
- Los Alamos National Laboratory, P-25 Seminar, April 2002: *Diffractionally Produced W and Z Bosons*
- Columbia University, Physics Graduate Student Seminar, New York, NY, March 2002: *Neutrino Factory: International Muon Ionization Cooling Experiment*
- APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, CO, July 2001: *Young Particle Physicists (YPP) Outreach: Plans and Conclusions*
- XIth Rencontres de Blois - Frontiers of Matter, Chateau de Blois, France, June 1999: *Hard Diffraction at the Tevatron*
- APS Centennial Meeting, Atlanta, Georgia, March 1999: *Diffractional W Production at DØ*

Publications in Refereed Journals (full publication list available):

- “Measurement of the production cross-section of positive pions in p - Al collisions at 12.9 GeV/c”, M. G. Catanesi *et al.* (HARP Collaboration), Nuclear Physics B **732**, (2006).
- “Observation of diffractively produced W and Z bosons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV”, V. M. Abazov *et al.*, Phys. Lett. B **574**, 169 (2003); hep-ex/0308032, FERMILAB-PUB-03-233-E.
- “Hard Single Diffraction in $p\bar{p}$ Collisions at $\sqrt{s} = 630$ and 1800 GeV”, B. Abbott *et al.*, Phys. Lett. B **531**, 52 (2002); FERMILAB-Pub-99/373-E; hep-ex/9912061.

- “Determination of the Absolute Jet Energy Scale in the DØ Calorimeters”, B. Abbott *et al.*, Nucl. Instrum. Methods Phys. Res. A **424**, 352 (1999); FERMILAB-Pub-97/330-E; hep-ex/9805009.
- “Probing hard color-singlet exchange in $\bar{p}p$ collisions at $\sqrt{s}=630$ GeV and 1800 GeV.”, B. Abbott *et al.*, Phys. Lett. B **440**, 189 (1998); FERMILAB-Pub-98/285-E; hep-ex/9809016.

Non-Refereed Publications:

- “Fermilab Booster Orbit Correction.”, (L. Coney, J. Monroe, W. Pellico, and E. Prebys), in *Proceedings of the 2003 Particle Accelerator Conference* ed. J. Chew, P. Lucas, and S. Webber.
- “Young Physicists’ Forum.”, (T. Adams *et al.*), in *Proceedings of the APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001)* ed. R. Davidson and C. Quigg, eprint Archive: hep-ph/0110027.